

IN THE CLAIMS

The following is a complete listing of the claims. This listing replaces all earlier versions and listings of the claims.

Claim 1 (currently amended): An image-processing method for performing color matching using a source profile and an output profile, said method comprising the steps of:

determining the type of input image, based on a rendering command indicating the input image;

~~a step of~~ correcting input image data in accordance with the source profile when it is determined in said determining step that the input image is a photograph image;

~~a step of~~ calculating a feature quantity of ~~[[an]]~~ the input image based on the corrected input image data;

~~a step of~~ performing an image correction process on the corrected input image data in accordance with a processing condition responsive to the feature quantity; and

~~a step of~~ performing a color matching process on the ~~corrected~~ input image data when it is determined in said determining step that the input image is not a photograph image, and on the corrected input image data subjected to the image correction process when it is determined in said determining step that the input image is a photograph image.

Claim 2 (original): An image-processing method according to Claim 1, wherein the correction of the input image data in accordance with the source profile is based on a gamma value described in the source profile.

Claim 3 (currently amended): An image-processing method according to Claim 1, wherein the correction of the input image data in accordance with the source profile is based on ~~[[an]]~~ a white point described in the source profile.

Claim 4 (canceled)

Claim 5 (original): ~~An image-processing method according to Claim 1, An~~
image-processing method for performing color matching using a source profile and an
output profile, said method comprising the steps of:

determining the type of input image based on a rendering command
indicating the input image;

correcting input image data in accordance with the source profile
when it is determined in said determining step that the input image is a photograph image;

calculating a feature quantity of the input image based on the
corrected input image data;

performing an image correction process on the corrected input image
data in accordance with a processing condition responsive to the feature quantity; and

performing a color matching process on the input image data when it
is determined in said determining step that the input image is not a photograph image, and

on the corrected input image data subjected to the image correction process when it is determined in said determining step that the input image is a photograph image,

wherein ~~[[the]]~~ said calculation ~~step of the feature quantity~~
~~comprises~~ includes a substep of creating a histogram based on the corrected input image data, and a substep of calculating a high-light point and a shadow point.

Claim 6 (original): An image-processing method according to Claim 1,
wherein the color matching process is performed according to the type of the input image.

Claim 7 (currently amended): An image-processing device for performing
color matching using a source profile and an output profile, said device comprising:

determination means for determining the type of input image, based
on a rendering command indicating the input image;

~~a corrector~~ correction means for correcting input image data in
accordance with the source profile when it is determined by said determination means that
the input image data is a photograph image;

~~a calculator~~ calculation means for calculating a feature quantity of
[[an]] the input image based on the corrected input image data;

[[an]] image correction processor means for performing an image
correction process on the corrected input image data in accordance with a processing
condition responsive to the feature quantity; and

[[a]] color matching processor means for performing a color
matching process on the ~~corrected~~ input image data when it is determined by said

determination means that the input image is not a photograph image, and on the corrected input image data subjected to the image correction process when it is determined by said determination means that the input image is a photograph image.

Claim 8 (currently amended): A storage medium for storing a computer-readable software program of an image-processing method for performing color matching using a source profile and an output profile, the software program comprising ~~program~~ codes for performing:

code for a determining step, of determining the type of input image, based on a rendering command indicating the input image;

code for a correction step, of correcting input image data in accordance with the source profile when it is determined by said code for a determining step that the input image is a photograph image;

code for a calculation step, of calculating a feature quantity of [[an]] the input image based on the input image data;

code for [[a]] an image correction step, of performing an image correction process on the corrected input image data in accordance with a processing condition responsive to the feature quantity; and

code for a color matching step, of performing a color matching process on the ~~corrected~~ input image data when it is determined by said code for determining step that the input image is not a photograph image, and on the corrected input image data subjected to the image correction process when it is determined by said code for a determining step that the input image is a photograph image.

Claim 9 (new): An image-processing apparatus for performing color matching using a source profile and an output profile, said apparatus comprising:

- a determination unit adapted to determine the type of input image, based on a rendering command indicating the input image;
- a correction unit adapted to correct input image data in accordance with the source profile when it is determined by said determination unit that the input image is a photograph image;
- a calculation unit adapted to calculate a feature quantity of the input image based on the corrected input image data;
- an image correction processor unit adapted to process an image correction process on the corrected input image data in accordance with a processing condition responsive to the feature quantity; and
- a color matching processor adapted to perform a color matching process on the input image data when it is determined by said determination unit that the input image is not a photograph image, and on the corrected input image data subjected to the image correction process when it is determined by said determination unit that the input image is a photograph image,

wherein said calculation unit includes a histogram creation unit adapted to create a histogram based on the corrected input image data, and another calculation unit adapted to calculate a high-light point and a shadow point.

Claim 10 (new): A storage medium for storing a computer-readable software program of an image-processing method for performing color matching using a source profile and an output profile, the software program comprising:

code for a determining step, of determining the type of input image, based on a rendering command indicating the input image;

code for a correction step, of correcting input image data in accordance with the source profile when it is determined by said code for a determining step that the input image is a photograph image;

code for a calculation step, of calculating a feature quantity of the input image based on the input image data;

code for an image correction step, of performing an image correction process on the corrected input image data in accordance with a processing condition responsive to the feature quantity; and

code for a color matching step, of performing a color matching process on the input image data when it is determined by said code for determining step that the input image is not a photograph image, and on the corrected input image data subjected to the image correction process when it is determined by said code for a determining step that the input image is a photograph image,

wherein said code for a calculation step includes code for a substep of creating a histogram based on the corrected input image data, and code for a substep of calculating a high-light point and a shadow point.